

## ABSTRACT

The present invention aims to provide  
5 electroconductive fine particles having excellent  
electrical conductivity with fewer pinholes in a gold  
coating, a method of producing the electroconductive fine  
particles, which are cyan-free type with a plating bath  
excellent in stability, and an anisotropic  
10 electroconductive material using the electroconductive fine  
particles.

The present invention is an electroconductive fine  
particle, which has a gold coating formed by electroless  
gold plating on the surface of a nickel undercoating, the  
15 amount of nickel dissolved in a dissolution test of the  
electroconductive fine particle with nitric acid being 30  
to 100  $\mu\text{g/g}$ ; a method of producing the electroconductive  
fine particle, wherein the method allows a reducing agent,  
causing oxidation reaction on the surface of a nickel  
20 undercoating but not causing oxidation reaction on the  
surface of gold as deposited metal, to be present on the  
surface of the nickel undercoating thereby reduces a gold  
salt to deposit gold; and an anisotropic electroconductive  
material, which comprises the electroconductive fine  
25 particle dispersed in a resin binder.